Methane Emissions Decline

in Top Oil and Gas Basins (2019-2023)

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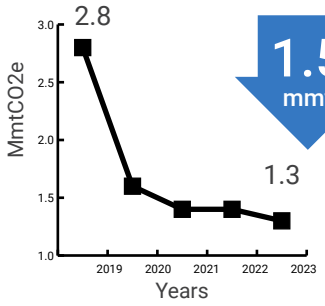
Since 2011, methane emissions across all major oil and gas basins in the United States have continued to decline. Between 2011 and 2023, total methane emissions fell 44% across all basins. In recent years, namely 2019 to 2023, there has been a remarked decrease in methane emissions in every basin.

WILLISTON BASIN
(MT, ND, SD)

54% DECREASE

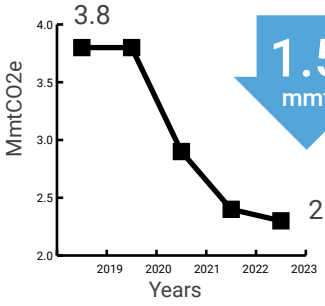
1.5 mmt



SAN JUAN BASIN
(CO, NM)

39% DECREASE

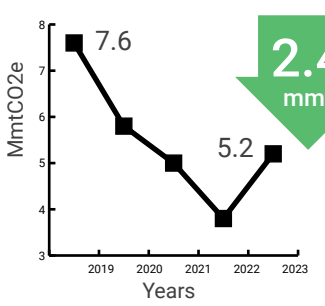
1.5 mmt

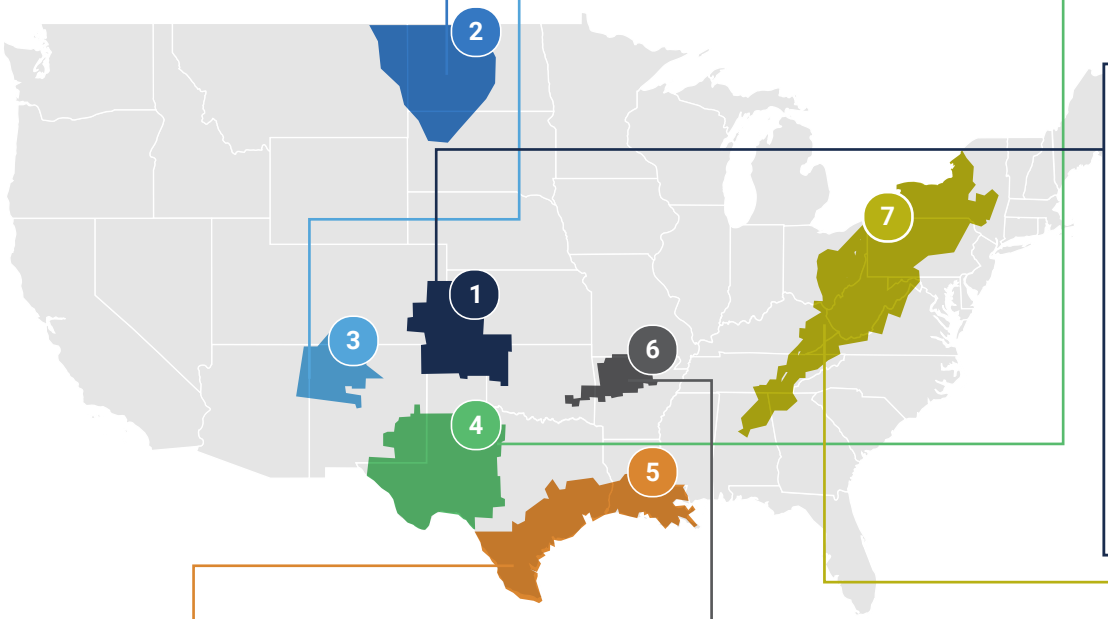


PERMIAN BASIN
(TX, NM)

32% DECREASE

2.4 mmt

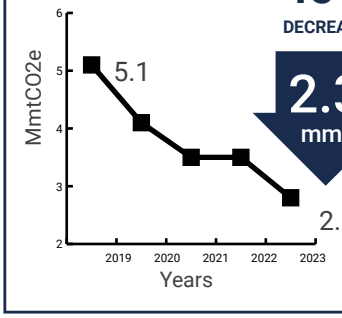




ANADARKO BASIN
(OK, TX, KS)

45% DECREASE

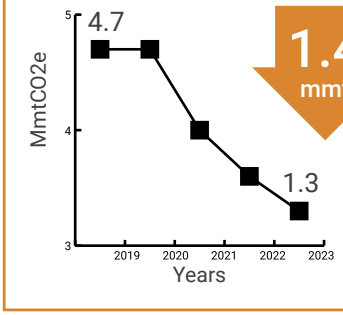
2.3 mmt



GULF COAST BASIN
(TX, LA)

30% DECREASE

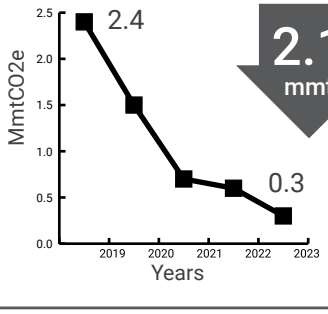
1.4 mmt



ARKOMA BASIN
(AR, OK)

87% DECREASE

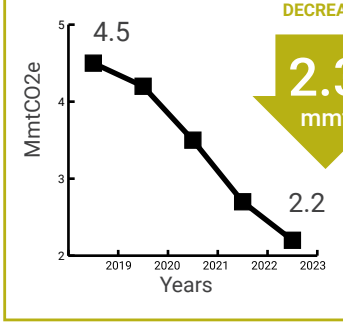
2.1 mmt



APPALACHIAN BASIN
(PA, OH, WV, KY, TN, GA, AL, KY, MD)

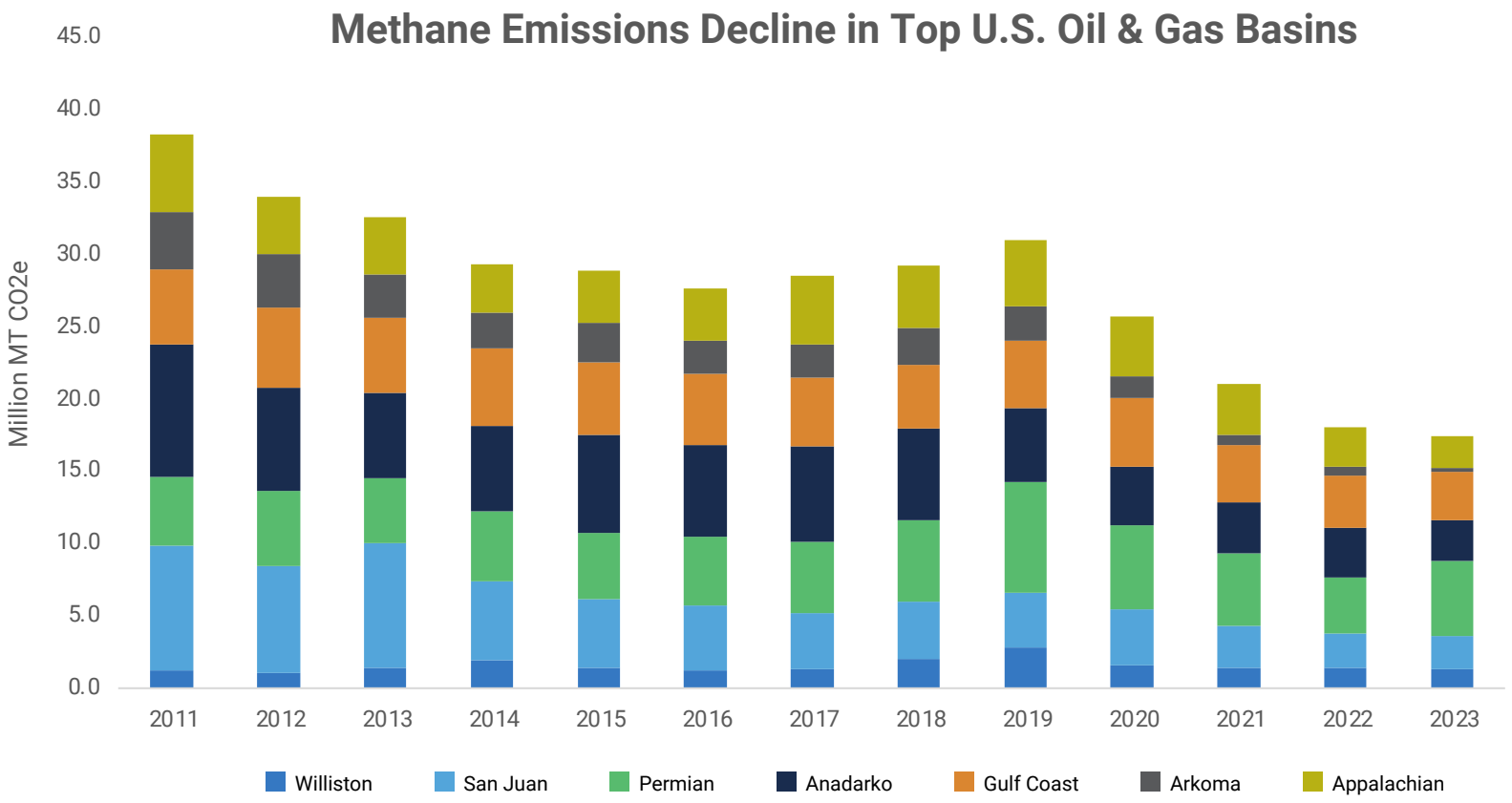
52% DECREASE

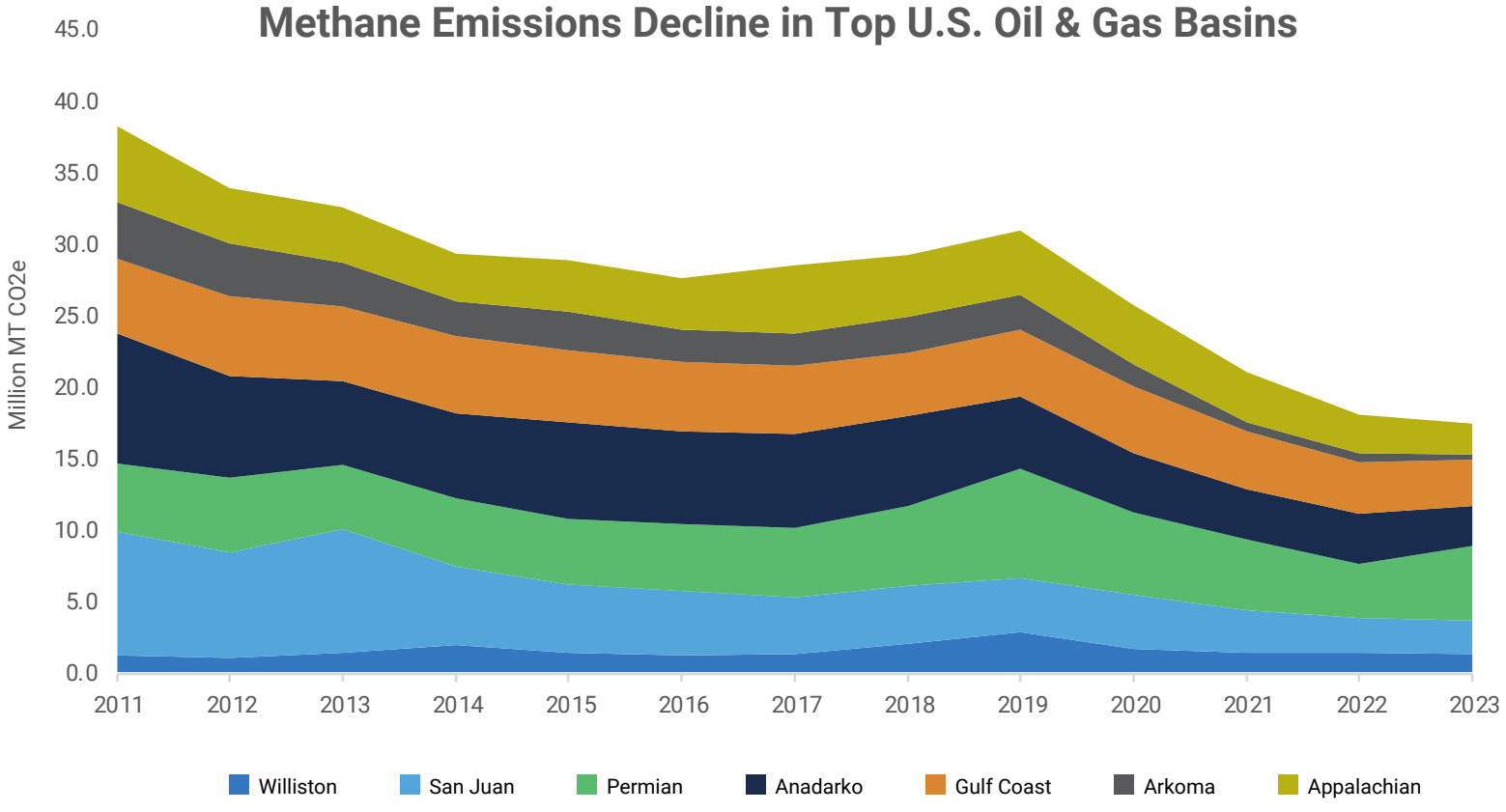
2.3 mmt



All units are listed in million metric tons (mmt) CO2 equivalent

Source: EPA Greenhouse Gas Reporting Program, 2023





All units are listed in million metric tons (mmt) CO2 equivalent

Source: EPA Greenhouse Gas Reporting Program, 2023